

IN THE CLAIMS

1. (Currently amended) A method comprising :

receiving a line of text, the line of text having a set of ordered characters;

flipping the characters of the line of text about a display axis;

identifying ~~a set of runs of foreign characters~~ in the line of text a group of adjacent characters that share a characteristic not shared by at least one other character in the line of text; and

flipping the characters of the ~~runs of the set of runs of foreign characters within each run of foreign characters~~ group of adjacent characters about a vertical axis which passes through the group of adjacent characters.

2. (Currently amended) The method of claim 1 further comprising:

receiving a block of text;

breaking the block of text into a set of lines of text; and

performing ~~the said~~ receiving the line of text, flipping the characters of the line, identifying and flipping the group of adjacent characters, ~~of the runs~~ for each line of text of the set of lines of text.

3. (Currently amended) The method of claim 2 further comprising:

~~passing displaying the line of text of a native operating system for display on the display device after said~~ flipping the group of adjacent characters.

4. (Currently amended) The method of claim 1 wherein:

the line of text is received from an application with no capability of handling bi-directional text.

5. (Currently amended) The method of claim 1 wherein:

the ~~foreign text~~ group of adjacent characters ~~is defined as text~~ are in a language which ~~should be~~ is normally read ~~displayed in a~~ left-to-right fashion.

6. (Currently amended) The method of claim 1 wherein:

the ~~foreign text~~ group of adjacent characters ~~is defined as text~~ are in a language which ~~should be~~ is normally read ~~displayed in a~~ right-to-left fashion.

7. (Currently amended) A machine-readable medium ~~embodying~~ storing instructions, which, when executed by a processor, cause the processor to perform a ~~method~~, the ~~method~~ process comprising:

receiving a line of text, the line of text having a set of ordered characters;

flipping the characters of the line of text about a center vertical axis of a display axis on which the line of text is to be displayed;

identifying a set of runs of foreign characters in the line of text; and

for each identified run of foreign characters in the identified set, if any, flipping the ~~characters of the runs of the set of runs~~ run of foreign characters ~~within each~~ about a center vertical axis of the run of foreign characters.

8. (Currently amended) The machine readable medium of claim 7 further ~~embodying~~ storing instructions which when executed by a the processor, cause the processor to perform ~~the method further~~ a process comprising:

receiving a block of text;
breaking the block of text into a set of lines of text; and
performing ~~the~~ said receiving the line of text, flipping the characters of the line,
identifying and flipping the run of foreign characters, ~~of the runs of~~ for each line of text of
the set of lines of text.

9. (Currently amended) The machine readable medium of claim 7 further ~~embodying~~
storing instructions which when executed by a processor, cause the processor to
perform the method further comprising:

passing the line of text ~~of~~ to a native operating system for display.

10. (Currently amended) A ~~processor which executes instructions causing the~~
~~processor to perform the~~ method comprising:

receiving a line of text, the line of text having a set of ordered characters;
flipping the characters of the line of text about a center vertical axis of a display
axis on which the text is to be displayed;

identifying ~~a set of~~ zero or more runs of foreign characters in the line of text; and
for each identified run of foreign characters in the line of text, if any, flipping the
characters of the ~~runs of the set of runs of foreign characters within each~~ run of foreign
characters about a center vertical axis of the run of foreign characters.

11. (Currently amended) The ~~processor~~ method of claim 10 wherein the method
further comprises:

receiving a block of text;

breaking the block of text into a set of lines of text; and

performing the said receiving the line of text, flipping the characters of the line, identifying and flipping the characters of the runs of foreign characters for each line of text of the set of lines of text.

12. (Currently amended) The ~~processor~~ method of claim 11 wherein the method further comprises:

passing the line of text to a native operating system for display.

13. (Currently amended) A ~~server configured to send instructions to a remote client, to configure the remote client to perform the method~~ processing system comprising:

_____ a processor;

_____ a display device; and

_____ a memory storing instructions which, when executed by the processor, cause the system to perform a process which includes

_____ receiving a line of text, the line of text having a set of ordered characters;

_____ flipping the characters of the line of text about a display vertical center axis of the display device;

_____ identifying a ~~set of runs~~ run of foreign characters in the line of text; and

_____ flipping the characters of the ~~runs of the set of runs~~ run of foreign characters ~~within each~~ about a center vertical axis of the run of foreign characters.

14. (Currently amended) The ~~server~~ processing system of claim 13 wherein the ~~server is configured to send instructions to the client to configure the client to perform the method further comprising~~ process further comprises:

receiving a block of text;

breaking the block of text into a set of lines of text; and
performing the said receiving the line of text, flipping the characters of the line,
identifying and flipping the characters of the runs run of foreign characters, for each line
of text of the set of lines of text.

15. (Currently amended) The ~~server~~ processing system of claim 14 wherein the ~~server~~
~~is configured to send instructions to the client to configure the client to perform the~~
~~method further comprising~~ process further comprises:

passing the line of text to a native operating system for display.

16. (Currently amended) The ~~server~~ processing system of claim 15 wherein the ~~client~~
processing system is a ~~remote~~ mobile device.

17. (Currently amended) The ~~server~~ processing system of claim 15 wherein the ~~client~~
processing system is a mobile wireless device.

18-22. (Canceled)

23. (Currently amended) A method comprising:

receiving a line of text, the line of text having a set of ordered characters;
generating a set of runs within the line of text;
flipping a location and an orientation of each run of the set of runs about ~~an~~ a
center vertical axis of a display; and
identifying a set of runs of foreign characters within the line of text.

24. (Currently amended) The method of claim 23 further comprising:

flipping the orientation of each run of foreign characters about a vertical axis
within the run of foreign characters.

25. (Original) The method of claim 23 further comprising:

rendering each run of the set of runs, except for the runs of foreign characters, in
a first orientation ; and

rendering each run of foreign characters in a second orientation.

26. (Original) The method of claim 25 further comprising:

receiving a block of text having a set of ordered characters and a location; and

breaking the block of text into a set of lines of text, each line having a set of
ordered characters and a location.

27. (Original) The method of claim 26 wherein:

the text is received from an application with no capability of handling bi-
directional text.

28. (Currently amended) The method of claim 27 wherein:

the foreign ~~text is defined as text which should be~~ characters are characters
which are normally read ~~displayed in a left-to-right fashion.~~

29. (Currently amended) The method of claim 27 wherein:

the foreign ~~text is defined as text which should be~~ characters are characters
which are normally read ~~displayed in a right-to-left fashion.~~

30-51. Canceled

52. (New) A method as recited in claim 1, wherein the display axis is a center vertical axis of a display on which the line of text is to be displayed.

53. (New) A method as recited in claim 1, wherein the characteristic is a left/right directionality of the characters of the group of adjacent characters.

54. (New) A method comprising:

receiving a block of text including a plurality of lines of text, each line including a plurality of ordered characters;

breaking the block into a plurality of lines of text;

for each of the lines of text into which the block of text has been broken, determining a set of runs of characters within the line of text, including identifying left-right characteristics of each of the runs of characters;

flipping a location and an orientation of each run of characters about a center vertical axis of a display; and

rendering each of the runs of characters on the display in accordance with the left-right characteristics of the run, including flipping at least one run of characters about a vertical axis within the run of characters.

55. (New) A method as recited in claim 53, wherein said generating a set of runs comprises:

identifying any runs of foreign characters which span two lines in the block of text;

splitting each run of foreign characters which spans two lines in the block of text, if any, into two strings, one string on each of the two lines.

56. (New) A method as recited in claim 53, wherein said flipping at least one run of characters about a vertical axis within the run of characters comprises flipping a run of characters, which has a different left-right characteristic than surrounding characters, about a vertical axis within the run of characters.
